



7-19-05 10/620,033

COFC

ATTORNEY DOCKET NO.: 71057

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee : BROCK
Patent No. : 6,910,270
Issued : June 28, 2005
For : PROCESS AND BLANK FOR PREPARING RHOMBOIDAL BLADES FOR
AXIAL TURBO ENGINES
Dated : July 18, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN.: Mail Stop DAC

**Certificate
JUL 22 2005
of Correction**

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 CFR § 1.322

Patentee respectfully requests that a Certificate of Correction under 37 CFR § 1.322 be issued for the above identified patent properly identifying the Assignee as **MAN TURBO AG**. The Letters Patent received by Patentee's representatives lists the Assignee as Man Turbo AG. This is incorrect.

For verification, Patentee submits a copy of the Notice of Recordation clearly showing the Assignee as **MAN TURBO AG**.

For your convenience, Patentee encloses a copy of the Letters Patent cover page with the correction indicated in red and a Certificate of Correction.

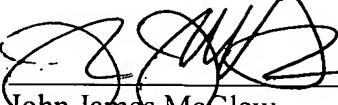
Based upon this evidence, Patentee respectfully requests that a Certificate of Correction be issued for the above identified patent properly identifying the Assignee as **MAN TURBO AG**, at no cost to the Patentee as this was due to U.S. Patent Office error.

Favorable action is respectfully requested.



Respectfully submitted
for Patentee(s),

By:


John James McGlew

Registration No. 31,903

For: McGLEW AND TUTTLE, P.C.

JJM:jms
71057.9

Enclosures: Copy of Incorrect Letters Patent cover page
Certificate of Correction
Copy of Notice of Recordation

DATED: July 18, 2005
SCARBOROUGH STATION
SCARBOROUGH, NEW YORK 10510-9227
(914) 941-5600

NOTE: IF THERE IS ANY FEE DUE AT THIS TIME, PLEASE CHARGE IT TO OUR DEPOSIT ACCOUNT NO. 13-0410 AND ADVISE.

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL, REGISTRATION NO. EV436437757US IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON July 18, 2005.

McGLEW AND TUTTLE, P.C., SCARBOROUGH STATION,
SCARBOROUGH, NEW YORK 10510-9227

By: Henrietta Rante Date: July 18, 2005



US006910270B2

(12) **United States Patent**
Brock

(10) **Patent No.:** US 6,910,270 B2
(45) **Date of Patent:** Jun. 28, 2005

(54) **PROCESS FOR PREPARING RHOMBOIDAL BLADES FOR AXIAL TURBO ENGINES**

(75) Inventor: Hans-Egon Brock, Oberhausen (DE)

(73) Assignee: Man Turbo AG, Oberhausen (DE)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 9 days.

(21) Appl. No.: 10/620,033

(22) Filed: Jul. 15, 2003

(65) **Prior Publication Data**

US 2004/0020049 A1 Feb. 5, 2004

Related U.S. Application Data

(62) Division of application No. 09/904,276, filed on Jul. 12, 2001, now abandoned.

(30) **Foreign Application Priority Data**

Jul. 20, 2000 (DE) 100 35 224

(51) **Int. Cl.**⁷ B23P 6/00

(52) **U.S. Cl.** 29/889.7; 29/889; 29/557

(58) **Field of Search** 29/889, 889.7, 29/889.71, 527.6, 527.7, 557; 428/577,

599

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,959,843 A 11/1960 Uitvlugt
6,783,612 B2 * 8/2004 Benedetti 148/654

FOREIGN PATENT DOCUMENTS

GB	624815	6/1949
GB	817660	8/1959
JP	04277642	* 9/1992
SU	617144	* 7/1978

OTHER PUBLICATIONS

Derwent Publications Ltd., London, GB, 1979-41888B,
Corresponding to SU 617,144 A, Database WPI.

* cited by examiner

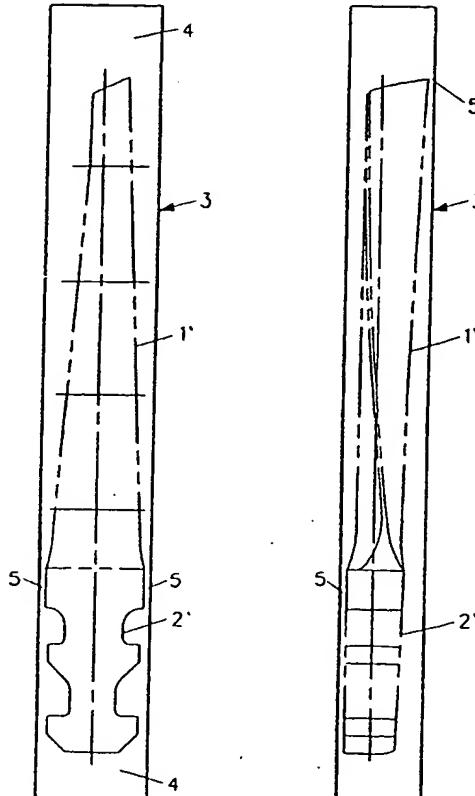
Primary Examiner—John C. Hong

(74) **Attorney, Agent, or Firm**—McGlew and Tuttle, P.C.

(57) **ABSTRACT**

A rhomboidal blade includes a blade footing (2) of rhomboidal cross section and a blade body (1) for axial turbo engines is worked out from a solid blank (3) by machining. The blank (3) is cut off as a bar from a hot-rolled, bar-shaped input stock, whose cross section has the shape of a rhomboid which is adapted to the shape of the cross section of the rhomboidal blade footing (2). The blank is larger on all size than the maximum cross section of the blade by only the minimum oversize (5) for machining.

15 Claims, 3 Drawing Sheets



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : **6,910,270**
DATED : **June 28, 2005**
INVENTOR(S) : **BROCK**

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

(73) MAN TURBO AG, Oberhausen (DE)

MAILING ADDRESS OF SENDER:

**McGlew and Tuttle, P.C.
Scarborough, Station
Scarborough, New York 10510-9227**

6,910,270

PATENT NO.

No. of additional copies



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1 JUL 25 2005



R26

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 30, 2005

PTAS



102931284A

MCGLEW & TUTTLE, P.C.
SCARBOROUGH STATION
SCARBOROUGH, NY 10510-0827

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 01/21/2005

REEL/FRAME: 016195/0869
NUMBER OF PAGES: 7

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MAN TURBOMASCHINEN AG

DOC DATE: 09/29/2004



ASSIGNEE:

MAN TURBO AG
STEINBRINKSTR. 1
46145 OBERHAUSEN, GERMANY

SERIAL NUMBER: 10960375

FILING DATE: 10/07/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: DEVICE FOR UTILIZING THE WASTE HEAT OF COMPRESSORS

SERIAL NUMBER: 10763103

FILING DATE: 01/22/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: PROCESS FOR THE RELIABLE OPERATION OF TURBOCOMPRESSORS WITH SURGE LIMIT CONTROL AND SURGE LIMIT CONTROL VALVE



016195/0869 PAGE 2

✓ SERIAL NUMBER: 10390407

FILING DATE: 03/17/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: GAS COLLECTION PIPE CARRYING HOT GAS

✓ SERIAL NUMBER: 10620033

FILING DATE: 07/15/2003

PATENT NUMBER: 6910270

ISSUE DATE: 06/28/2005

TITLE: PROCESS AND BLANK FOR PREPARING RHOMBOIDAL BLADES FOR AXIAL TURBO ENGINES

✓ SERIAL NUMBER: 10926439

FILING DATE: 08/25/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: ROTOR OF A STEAM OR GAS TURBINE

✓ SERIAL NUMBER: 10371136

FILING DATE: 02/20/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: PROCESS FOR CONTROLLING A PLURALITY OF TURBO ENGINES IN PARALLEL OR TANDEM OPERATION

✓ SERIAL NUMBER: 10268422

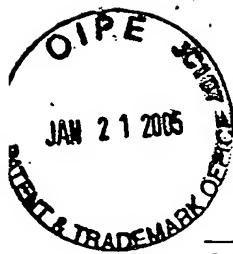
FILING DATE: 10/10/2002

PATENT NUMBER: 6832891

ISSUE DATE: 12/21/2004

TITLE: DEVICE FOR SEALING TURBOMACHINES

DOROTHY RILEY, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



1-24-05

02-02-2005

RECC



102931284

IEET



Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RE: Our File: K261. Name (and address) of conveying party(ies)

MAN Turbomaschinen AG
Steinbrinkstr. 1 46145, Oberhausen,
GERMANY

Execution Date: September 29, 2004

2. Name and Address of receiving party(ies)

MAN TURBO AG
Steinbrinkstr. 1 46145, Oberhausen,
GERMANY

Execution Date: September 29, 2004

3. Submission Type:

New
 Resubmission Document ID#
(Non-Recordation)
 Correction of PTO Error Reel/Frame:
 Corrective Document Reel/Frame:

4. Nature of conveyance:

Assignment;
 Security Agreement;
 Other; Merger
 Change of Name

Execution Date: September 29, 2004

5. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

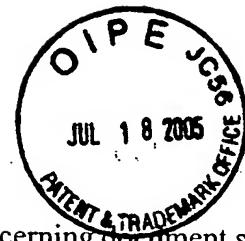
10/960,375
10/763,103
10/390,407
10/620,033
10/926,439
10/371,136

B. Patent No.(s)

280.00

6,832,891 B2

2/02/2005 JJALLAHZ 00000007 10950375
1 FC:8021



Additional numbers attached () Yes (X) No

6. Name and address of party to whom correspondence concerning document should be mailed:

McGlew & Tuttle, P.C.
Scarborough Station
Scarborough, New York 10510-0827

7. Total number of applications and patents involved: 7

8. Total fee (37 CFR 3.41) \$280.00

(X) Enclosed - Credit Card Payment Form
() Authorized to be charged to deposit account
() Already submitted

9. Deposit account number:

13-0410

(Attach duplicate copy of this page if paying by deposit account)

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10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John James McGlew
Name of person signing


Signature

Reg. No. 31,903

Date

January 21, 2005

Total number of pages comprising cover sheet,
attachments, and documents 9

JJM:jms

R26.1

Enclosures: - Excerpt from Commercial Register
- Credit Card Payment Form

SCARBOROUGH STATION
SCARBOROUGH, NEW YORK 10510
DATED: January 21, 2005

Commercial Register B
of the District Court Duisburg

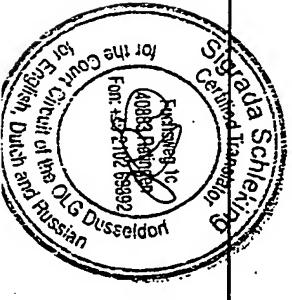
Official printout

Request dated 19 Oct 2004 09:10h

No. of company:
This copy remains unsigned and shall be regarded as certified copy.

HRB 13281
Page 1 of 4

Sl. No.	Share capital	Authorized signatories/ Proxies	No. of company: This copy remains unsigned and shall be regarded as certified copy.	a) Date of entry b) Remarks
1	2	3	4	5
	Euro 20,500,000,-	a) If only one Executive Board Member has been appointed, he shall represent the company alone. If several Executive Board Members have been appointed, the company is legally represented by two Executive Board Members or by one Executive Board Member jointly with an authorized signatory (Prokurst).	Joint authorized signatories, with each of these being authorized to represent the company jointly with an Executive Board member or another authorized signatory: <u>Wegener, Eckard, Oberhausen</u> Koller, Uwe, Oberhausen Ernst, Klaus, Schermbeck Chudzicki, Reinhard, Moers Münker, Willi, Krefeld Stark, Anton, Deutenhausen Kleiniekathöfer, Friedrich, certified economist, Duisburg Frank, Christian, certified engineer, Essen, DOB 29 Sep 1944 Dr. Funke, Stephan, Bocholt, DOB 14 Jan 1963 Dr. Dreischhoff, Udo, Kamen, DOB 03 Dec 1957 Kröschel, Günther, Berlin, DOB 17 Jul 1960 Bloch, Werner Arnold, Stäfa/Switzerland, DOB 10 Oct 1951 Fritz, Hans-Dieter, Castrop-Rauxel Möbus, Bernd, Hünxe	a) Legal status, beginning, statutes or company agreement b) Other legal relationships
		b) Active partners, Managing directors, Authorized representatives and Special power of attorney	6	a) 17 Jul 2003 Pohlmann b) Date of first entry at Oberhausen: 13 Oct 1999 For continuation in EDP, this page has been transferred and with simultaneous modification of local jurisdiction replaces the index sheet HRB 3471 of the District Court Oberhausen. pp. 1 - 18 et seq Special Volume
		c) The business of the company is the development, design, fabrication, sale and servicing of turbo- machinery, compressors and other machinery, as well as the provision of all associated services. The company may conduct all business suitable to serve the purpose of the company directly or indirectly or which may be useful for such purpose. The company may especially set up branch establishments and subsidiaries in Germany and abroad, and may take part in identical or similar enterprises in Germany and abroad.		With the shareholders' consent as of 28 Oct 2002, the company has concluded a control and profit transfer agreement on 29 Oct 2002 with MAN Maschinen- und Anlagenbau GmbH at Munich, HRB 145313.

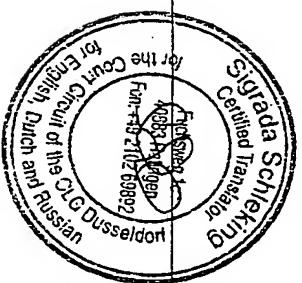


Commercial Register B
of the District Court Duisburg

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Request dated 19 Oct 2004 09:10h
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No. of company:
HRB 13281
Page 2 of 4

Sl. No.	a) Company name b) Registered office, branch establishments c) Business of company	Share capital	a) General regulation of representation b) Executive board, Active partners, Managing directors, Authorized representatives and Special power of attorney	Authorized signalaries/ Proxies	a) Legal status, beginning, statutes of company agreement b) Other legal relationships	a) Date of entry b) Remarks
1	2	3	4	5	6	7
			b) Chairman of the Executive Board: Maus, Jürgen, Bottrop, DOB 04 Apr 44 <u>Member of the Executive Board:</u> <u>Dr. Jeske, Hans-O., Mülheim/Ruhr, DOB 20 Jun 1949</u> <u>Member of the Executive Board:</u> <u>Dr. Meyer, Josef, Mülheim/Ruhr, DOB 21 Apr 1941</u> <u>Kazik, Peter, certified engineer, Berlin</u> <u>Wünscher, Jörg, Berlin</u> <u>Labza, Wolfgang, Bottrop</u> <u>Habenthaler, Bernhard, DOB 13 Jun 1950, CH-Kronau</u> <u>Hage-Jewasinski, Hartmut, Berlin, DOB 14 Sep 1954</u> <u>Hansen, Ole, certified engineer, Hamminikelh</u>	Joint authorized signalaries, with each of these being authorized to represent the company jointly with an Executive Board member or another authorized signatory: Neugschwendner, Erich, certified engineer, Hemhofen Zieroff, Franz-Josef, certified engineer, Voerde Glaubrecht, Gerd, Nürnberg Ayoub, Robert, München Maier, Andreas, Eichenau Richter, Hans-Jürgen, Dachau Rahn, Rudiger, certified national economist, Berlin <u>Hupfer, Helmut, certified engineer, Berlin</u>	a) Legal status, beginning, statutes of company agreement b) Other legal relationships	
2			<u>Dr. Sontag, Peter-Michael, Ratingen, Zieroff, Franz-Josef, certified engineer, Voerde, Berlin,</u> <u>Hupfer, Helmut, certified engineer, Berlin,</u> <u>Kazik, Peter, certified engineer, Berlin,</u> <u>have ceased to be authorized signatories.</u>		a) 18 July 2003 Müller b) pp. 57 / 58 Special Volume	



Commercial Register B
of the District Court Duisburg

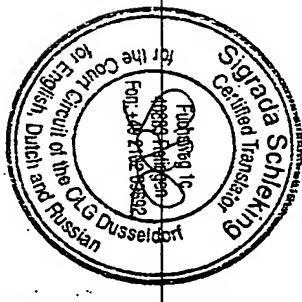
Official printout
Request dated 19 Oct 2004 09:10h
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HRB 13281
Page 3 of 4

No. of company:

19 Oct 2004

Sl. No.	a) Company name b) Registered office, branch establishments c) Business of company	Share capital	a) General regulation of representation b) Executive board, Active partners, Managing directors, Authorized representatives and Special power of attorney	Authorized signatories/ Proxies	a) Legal status, beginning, statutes or company agreement b) Other legal relationships	a) Date of entry b) Remarks
1	2	3	4	5	6	7
3			b) Member of the Executive Board: Dr. Jeske, Hans-O., Reppenstedt, DOB 20 Jun 1949		b) The company was created by modifying conversion of GHH Borsig Turbomaschinen GmbH with registered office at Oberhausen (District Court Oberhausen HRB 2788) by resolution of the shareholders' meeting of 06 Sep 99. It is in continuation of GHH Borsig Turbomaschinen GmbH entered in the commercial register on 05 Mar 96 (initial entry dating 15 Dec 95).	a) 05 Aug 2003 Müller
4			Rahn, Rüdiger, certified national economist, Berlin Wünscher, Jörg, Berlin, have ceased to be authorized signatories		b) Entry serial no. 1 dated 17 Jul 2003 partially corrected ex officio with regard to the place of residence of the Member of the Executive Board Dr. Jeske and with regard to column 6.	
5			Joint authorized signatories, with each of these being authorized to represent the company jointly with an Executive Board member or another authorized signatory: Hartmann, Manfred Heinrich, Essen, DOB 31 Mar 1955 de Wolff, Marcus Marinus, Jakarta/Indonesia, DOB 04 Jun 1954 Koch, John Robert, Uster/Switzerland, DOB 22 May 1965 Spickermann, Klaus, Oberhausen, DOB 24 Jul 1953		a) 22 Apr 2004 Müller b) pp. 50 / 51 Special Volume	



Commercial Register B
of the District Court Duisburg

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No. of company:
HRB 13281
Page 4 of 4

Sl. No.	a) Company name b) Registered office, branch establishments c) Business of company	Share capital	a) General regulation of representation b) Executive board, Active partners, Managing directors, Authorized representatives and Special power of attorney	Authorized signatories/ Proxies	a) Legal status, beginning, statutes or company agreement b) Other legal relationships	a) Date of entry b) Remarks
1	2	3	4	5	6	7
6						
7						
8	a) MAN TURBO AG					

Labza, Wolfgang, Boltrop,
Wegener, Eckard, Oberhausen, have
ceased to be authorised signatories

Joint authorized signatory, being
authorized to represent the company
jointly with an Executive Board
member or another authorized
signatory:
Mazurkiewicz, Stephan, Donauwörth,
DOB 19 Dec 1959

a)
By resolution of the shareholders' meeting of
29 Sep 2004 the statutes of the company as per § 1
and thus the company name were changed. In
addition, the statutes were changed in § 3
(Notifications), § 4 (Capital stock and formation
expense), § 6 (Company representation), § 7
(Number of members, election – Supervisory
Board), § 10 (Resolutions of Supervisory Board)
and § 19 (Fiscal year).

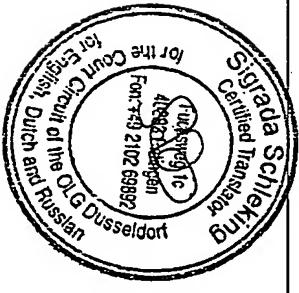
a)
18 Oct 2004
Kassen

b)
pp. 86-106 Special Volume

Duisburg, 19 Oct 2004

This copy is to certify the entry in the commercial register.
Pohlmann, Court clerk
Records clerk of the court office

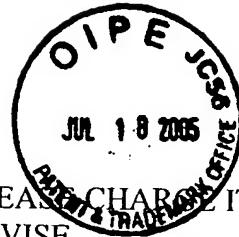
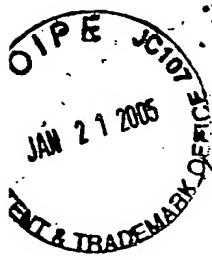
Stamp: District Court
Duisburg



This is to certify the conformity of the above translation with the
original German text.

Oberhausen, 23 November 2004

Sigmar Schleicher
Sigmar Schleicher
Gesellten Tangermu
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44233 Ratingen
Fax: +49 2102 63802
Hypothekar
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U.S. Bank
with the City
of Düsseldorf
Dutch and Russian



NOTE: IF THERE IS ANY FEE DUE AT THIS TIME, PLEASE CHARGE IT TO
OUR DEPOSIT ACCOUNT NO. 13-0410 AND ADVISE.

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH
THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL, REGISTRATION NO.
EV436438823US IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR
PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON January 21, 2005

McGLEW AND TUTTLE, P.C., SCARBOROUGH STATION,
SCARBOROUGH, NEW YORK 10510-0827

By: Maria Howell Date: January 21, 2005